

Abstract of the Disclosure

A laser irradiating body with a laser inlet and a laser outlet is provided, and plural semiconductor lasers to oscillate plural linear laser beams for measuring a welding state are provided. Then, a CCD camera with a band-pass filter therein to pass through only the reflected linear laser beams is provided. The CCD camera takes, as an image, the measured welding state by the reflected linear laser beams in. Moreover, an image processor to process the image of the measured welding state is provided.

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